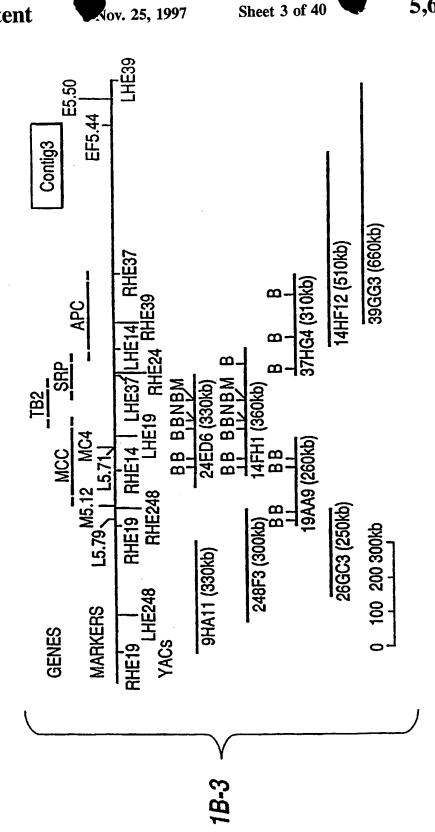


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F16. 24

TB1 AMINO ACID SEQUENCE

434					TLLO	VLOITKIIYS TLLO
420	VIIOYTLHAA	VFGFYKGFGA	CINTIRGEEG	HIGGTRIIID NTOLGYEVLP INTOYEGMRD CINTIRQEEG VFGFYKGFGA VIIQYTLHAA	NTOLGYEVLP	HIGGTRTIID
360	YPLETVLHRL	AASLCSDVIL	AYFPELIANF	IOKFVLLILK RKTYNSHLAE STSPVOSMLD AYFPELIANF AASLC <u>SDVIL YPLETVLHRL</u>	RKTYNSHLAE	IOKFVLLILK
300	GVLHYIISSV	LSLIFPTVLH	VPHSKRLLPL	IETVOSEIIR DNTGILECVK EGIGRVIGMG VPHSKRLLPL LSLIFPTVLH GVLHYIISSV	DNTGILECVK	IETVOSEIIR
240	VAMPFYSASL	HLLLKSLTYV	HKWSPKQIGE	GMGSTFIVOG VTLGAEGIIS EFTPLPREVL HKWSPKOIGE HLLLKSLTYV VAMPFYSASL	VTLGAEGIIS	GMGSTFIVOG
180	KTOGPRALWK	TVINIMYSFN	HACHYHLTPF	GFGIGLASLF TENVLAHPCI VLRRQCQVNY HAQHYHLTPF TVINIHYSFN KTQGPRALWK	TENVLAHPCI	GFGIGLASLF
12(OSSEOLNRFA	SSGGGGSVQG	PYEGPTEEPF	WYTTPPDIPG SRNLHWGEKS PPYGVPTTST PYEGPTEEPF SSGGGGSVOG OSSEOLNRFA	SRNLHWGEKS	WYTTPPDIPG
9	SFSTGSDLGH	OGFGGAFPAR	LGYRGGARDE	VAPVVVGSGR APRHPAPAAM HPRRPDGFDG LGYRGGARDE OGFGGAFPAR SFSTGSDLGH	APRHPAPAAM	VAPVVVGSGR

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F16. 2B

TB2 AMINO ACID SEQUENCE

GYPAYISIKA IESPNKEDDT DWLTYMVVYG VFSIAEFFSD IFLSWFPFYY ILKCGFLLWC 120 180 185 ELRRFDRFLH EKNCMTDLLA KLEAKTGVNR SFIALGVIGL VALYLVFGYG ASLLCNLIGF MAPSPSNGAE LLYKRIIRPF FLKHESOMDS VVKDLKDKAK ETADAITKEA KKATVNLLGE

FIG. 3A

Leu	Asn	Leu	Glγ	Ser 80	Tyr	Pro
Ala Ser Tyr Asp Gln Leu Leu Lys Gln Val Glu Ala Leu 5	Asn Ser Asn Leu Arg Gln Glu Leu Glu Asp Asn Ser Asn 20	Lys Leu Glu Thr Gl u Ala Ser Asn Met Lys Glu Val Leu 40	Gln Gly Ser Ile Glu Asp Glu Ala Met Ala Ser Ser Gly 55	Leu Leu Glu Arg Leu Lys Glu Leu Asn Leu Asp Ser Ser 70	Gly Val Lys Leu Arg Ser Lys Met Ser Leu Arg Ser Tyr 85	Glu Gly Ser Val Ser Ser Arg Ser Gly Glu Cys Ser Pro 100
Glu	Asn 30	Glu	Ser	Asp	Arg	Cys 110
Val	Asp	Lys 45	Ala	Leu	Leu	Glu
Gln	Glu	Met	Met 60	Asn	Ser	Gly
Lys	Leu	Asn	Ala	Leu 75	Met	Ser
Leu 10	Glu	Ser	Glu	Glu	Lys 90	Arg
Leu	Gln 25	Ala	Asp	Lys	Ser	Ser 105
Gln	Arg	Glu 40	G1 u	Leu	Arg	Ser
Asp	Leu	Thr	11e 55	Arg	Leu	Val
Tyr	Asn	Glu	Ser	G1u 70	Lys	Ser
Ser 5	Ser	Leu	Glγ	Leu	Va1 85	Glγ
Ala	Asn 20	Lys	Gln	Leu	Gly	Glu 100
Ala	Glu	Thr 35	Leu	Ile Asp	Pro	Arg
Met Ala Ala 1	Lys Met Glu	Leu	Gln 50	Ile	Phe	Gly Ser Arg
Met 1	Lys	His	Lys	Gln 65	Asn	Gly

FIG. 3B

Arg	Leu	Ala 160	Glu	Glu	Gln	Ile
Ser	Leu	Tyr	Thr 175	Tyr	Cys	Gln
G1y	Ser	Tyr	Leu	Glu 190	\mathtt{Thr}	Gln
Val Pro Met Gly Ser Phe Pro Arg Arg Gly Phe Val Asn Gly Ser Arg 115	ly Tyr Leu Glu Glu Leu Glu Lys Glu Arg Ser Leu Leu 135	Leu Asp Lys Glu Glu Lys Glu Lys Asp Trp Tyr Tyr Ala 150	Leu Gln Asn Leu Thr Lys Arg Ile Asp Ser Leu Pro Leu 165	Leu Gln Thr Asp Leu Thr Arg Arg Gln Leu Glu 180	Ile Arg Val Ala Met Glu Glu Gln Leu Gly Thr Cys 200	Lys Arg Ala Gln Arg Arg Ile Ala Arg Ile Gln Gln 215
Val	Glu 140	Asp	Leu	Gln	Leu	Arg 220
Phe	Lys	Lys 155	Ser	Arg	Gln	Ala
Gly	Glu	Glu	Asp 170	Arg	Glu	Ile
Arg	Leu	Lys	Ile	Thr 185	G1u	Arg
Arg 120	Glu	Glu	Arg	Leu	Met 200	Arg
Pro	Glu 135	Glu	Lys	Asp	Ala	Gln 215
Phe	Leu	Lys 150	Thr	Thr	Val	Ala
Ser	Tyr	Asp	Leu 165	Gln	Arg	Arg
Gly	Gly	Leu	Asn	Leu 180	Ile	Lys
Met 115	Thr	Ala Asp	Gln	Ser	Gln 195	Glu
Pro	Ser 130	Ala	Leu	Phe	Ala Arg Gln 195	Asp Met 210
Val	Glu	Leu 145	Gln	Asn	Ala	Asp

FIG. 3C

Thr 240	Asp	Ala	Thr	Leu	Ser 320	Ala
Ala	His 255	Met	Glu	Pro Arg Arg Leu	Leu	Leu 335
Gln	Ser		His	Arg	Ser Leu Leu	Leu
Leu Gln Ser Gln Ala 235	Thr Gly Ser	Gly Glu Ile Asn 270	Thr Thr Arg Met Asp 285	Pro	Ser	Ser Arg Thr Leu Leu 335
Gln	Thr	Glu	Met	Ala 300	Tyr	Arg
Leu 235	Glu	Gly	Arg	Ser	Val 315	Ser
Lys Asp Ile Leu Arg Ile Arg Gln Leu 230	His 250	y Val	${ m Th} x$	His	Leu Gly Thr Lys Val Glu Met Val 310	His Asp Lys Asp Asp Met 325
Gln	Lys	Gly Gln Gly 265	\mathtt{Thr}	Thr	Glu	Asp
Arg	Gln Asn Lys	Gln	Ser 280	Ser	Val	Asp
Ile		Gly	Gly	Ser 295	Lys	Lys
Arg 230	Ser	ln Asn Glu G 60	Asn Gly Gln Gly Ser 280	Ser	$\frac{\text{Thr}}{310}$	Asp
Leu	Ser 245	Asn	Gly	Ser	Glγ	His 325
Ile	Arg	50	Asn	Leu	Leu	Thr
Asp	Glu	Arg	G1y 275	Val	His	Gly
Lys	Ala	Glu	Ser	Ser 290	Ser	Leu
Glu 225	Glu	Ala	Thr	Ala	Thr 305	Met

FIG. 3D

Cys	Val	Ser	Gly 400	Tyr	Asp	Pro
Gly	Ser	Ala	Arg	Ala 415	Met	Cys
Ser 350	Asp	Arg	Lys	Arg	G1y 430	Ile
Ser Gln Asp Ser Cys Ile Ser Met Arg Gln Ser Gly Cys 340	His Gly Asn Asp Lys Asp Ser Val 365	Ser Lys Glu Ala Arg Ala Arg Ala 380	Ser Gln Pro Asp Asp Lys Arg Gly 395	Ile Arg Val Leu His Leu Leu Glu Gln Ile Arg Ala Tyr 405	Cys Trp Glu Trp Gln Glu Ala His Glu Pro Gly Met Asp 420	Asn Pro Met Pro Ala Pro Val Glu His Gln Ile Cys 440
Arg	Asp	Arg 380	Asp	Gln	Glu	His
Met	Asn	Ala	Pro 395	Glu	His	Glu
Ser	Gly	Glu	Gln	Leu 410	Ala	Val
11e 345	His	Lys	Ser	Leu	Glu 425	Pro
Cys	Leu 360	Ser	His Asn Ile Ile His 390	His	Gln	Ala 440
Ser	Ile Gln Leu Leu 360	G1y 375	Ile	Leu	Trp	Pro
Asp	Gln	Arg	11e 390	Val	Glu	Met
Gln	Ile	Asn Ser Arg Gly 375	Asn	Arg 405	Trp	Pro
Ser 340	Leu	Asn	His	Ile	Cys 420	Asn
Ser	Leu 355	Gly	Leu	Glu	Thr	Lys 435
Ser	Pro	Leu 370	Ala	Arg	Cys Glu	Gln Asp Lys 435
Met	Leu	Leu	Ala 385	Arg	Cys	Gln

FIG. 3F.

His	Gln 480	Thr	Asp	Ala	Ile	Lys 560
Arg	Leu	11e 495	G1y	Arg		Ser
His	Leu	Ser	Phe Gly Asp 510	Met	Gln Val	4sn
Glu	Glu	$\mathbf{T}\mathbf{y}\mathbf{r}$	Thr	Cys Met Arg Ala 525	Gln	/al i
Glu 460	Ile Ala Glu 475	Asn Asp His Tyr 490	Thr Asn Leu Thr	Glγ	Leu 540	4sp
Asp	Ile 475	Asp	Asn	Lys	Asp	Ala 1 555
Ser Phe Asp Glu Glu His Arg His 460	Leu Gly Gly Leu Gln Ala 470	Asn 490	$\operatorname{Th} r$	Cys Ser Met Lys Gly 520	Glu Asp Leu 540	Trp Arg Ala Asp Val Asn Ser 555
Ser	Gln	Thr	Leu 505	Ser	Ser	rrp.
Lys Leu (455	Leu	Leu	Ala	Cys 520	Glu	Ser
Lys 455	Glγ	Glu Met Tyr Gly Leu 485	Tyr Ala Gly Met Ala 500	Leu	Ser 535	Leu
Met	G1y 470	Tyr	Gly	Thr		Asn 550
Val Leu Met	Leu	Met 485	Ala	Ala	Gln Leu Lys	Arg
	G1u	Glu	Tyr 500	Lys	Gln	Leu Arg
Cys	Met Asn	Cys	Arg	Asn 515	Ala	Val
Val 450	Met	Val Asp Cys	Leu Arg Arg	Ala	Val 530	Ser
Ala	Ala 465	Val	Leu	Val Ala	Leu	Ala :

Sheet 11 of 40

Ala	Leu	Ala	Ser	Arg 640	Leu	His
Cys 575	Ser Ala Leu 590	Cys	Arg	Leu	Ile 655	Ser
Glu	Ser 590	Ile	Tyr	Ile	Gln	Lys 670
Glu Val Gly Ser Val Lys Ala Leu Met Glu Cys Ala 565	Lys Glu Ser Thr Leu Lys Ser Val Leu 585	Glu Asn Lys Ala Asp Ile Cys Ala 605	Ala Leu Ala Phe Leu Val Gly Thr Leu Thr Tyr Arg Ser 615	Thr Leu Ala Ile Ile Glu Ser Gly Gly Gly Ile Leu Arg 630	Ile Ala Thr Asn Glu Asp His Arg Gln 650	Cys Leu Gln Thr Leu Leu Gln His Leu Lys Ser 670
Leu	Val	Ala	Leu 620	Gly	His	His
Ala	Ser	Lys	Thr	G1Y 635	Asp	Gln
Lys 570	Lys	Asn	Gly	Ser	Glu 650	Leu
Val	Leu 585	Glu	Val	Glu	Asn	Leu 665
Ser	Thr	Thr 600	Leu	Ile	Thr	Thr
Gly	Ser	Cys	Phe 615	Ile	Ala	Gln
Val	Glu	Ala His Cys Thr 600	Ala	Ala 630	Ile	ren
G1u 565	Lys	Ala	Leu	Leu	Leu 645	Cys
Arg	Lys 580	Ser	Ala	Thr	Ser	Asn 660
Leu Arg	Val	Leu 595	б1у	Asn	Ser	Asn
Thr	Glu	Trp Asn	Asp 610	Thr	Val	Arg Glu
Lys	Leu	Trp	Val Asp 610	Gln 625	Asn	Arg

FIG. 3G

Ser	Val	Met 720	Lys	ren	His	Ser
Leu	Trp Asp Met Gly Ala Val	Ala		Ser Ten	Gln	Ser Pro Lys Ala 780
Asn	G1y	Ile	Pro		Ala	Lys
Ile Val Ser Asn Ala Cys Gly Thr Leu Trp Asn 680	Met	His Lys Met Ile Ala 715	Met Ala Asn Arg Pro Ala 730	Gly Ser Ser Leu Pro	Leu Asp Ala 765	Pro
Leu	Asp 700	Lys	Asn	Ser	Leu	Ser 780
Thr	Trp	His 715	Ala	Ser	Glu Ala Glu	Thr Phe Asp Asn Ile Asp Asn Leu
Gly	Leu	Ser Lys	Met 730	Gly	Ala	Asn
Cys	Ala	Ser	Leu	Pro 745	Glu	Asp
Ala 680	Glu Ala Leu	Leu Ile His 710	Ala Ala Leu Arg Asn Leu 725	Ser	Lys Gln Lys Ala Leu 760	Ile
Asn	Gln 695	Ile	Arg	Ile Met	Ala	Asn 775
Ser	Asp	Leu 710	Leu	Ile	Lys	Asp
Val	Pro Lys Asp Gln 695	Lys Asn	Ala 725	Ala Asn 740	Gln	Phe
Ile	Pro	Lys	Ala	Ala 740	Lys	Thr
Thr 675	Asn	Leu	Ala	Lys Asp	Arg 755	Glu
Leu	Arg 690	Met	Ser		Val	Ser 770
Ser	Ala	Ser 705	Gly	Tyr	His	Leu

FIG. 3H

Val 800	Thr	Pro	Lys	His	Ile 880	Ala
Lys Gln Arg His Lys Gln Ser Leu Tyr Gly Asp Tyr Val 790	Asn 815	Leu	G1 u	Leu Glu Arg Gly Ile Gly Leu Gly Asn Tyr 855	Gln	Ser 895
Asp	Phe	Val 830	Ser	Asn	Leu	Val
Gly	Asn Arg His Asp Asp Asn Arg Ser Asp Asn Phe 805	Tyr Leu Asn Thr Thr Val Leu 825	Arg 845	Gly	Pro Gly Thr Ser Ser Lys Arg Gly Leu Gln 870	Ala Ala Gln Ile Ala Lys Val Met Glu Glu Val 885
Tyr	Asp	Thr	Ser Leu Asp Ser Ser Arg 840	Leu 860	Arg	Glu
Leu 795	Ser	Asn	Ser	Gly	Lys 875	Met
Ser	Arg 810	Leu	Asp	Ile	Ser	Val 890
Gln	Asn	Tyr 825	Leu	Gly	Ser	Lys
Lys	Asp	Pro	Ser 840	Arg	Thr	Ala
His	Asp	Ser	Gly	Glu 855	G1y	Ile
Arg 790	His	Thr Val Leu Ser Pro 820	Ser Ser Arg Gly	Arg	Pro 870	Gln
Gln	Arg 805	Val	Ser	Glu	Glu Asn	Ala 885
Lys	Asn	Thr 820	Ser	Leu	Glu	Ala
Ser	Thr	Met	Ser 835	Ser	Thr	Thr
Arg	Asp	Asn	Ser	Arg 850	Ala	Thr
His 785	Phe	Gly	Ser	Asp	Pro 865	Ser

FIG. 31

ם ע	Ala	Asn	Ser 960	Arg	Ser	Ile
n 1 5	Ser Ala Ala	Ser Asn	Ser	Lys 975	Glu	Lys
inr 910	Ser	Glu Asn	Arg	Gly	Asp 990	His
Ser Gly Ser Thr Thr Glu	Ala Leu Arg Arg Ser 925	Glu	Pro Tyr Ala Lys Leu Glu Tyr Lys Arg 950	Ser Val Ser Ser Asn Asp Gly Tyr Gly Lys Arg 975	Ser Glu Asp Asp Glu 990	Ser Tyr Gly Gln Tyr Pro Ala Asp Leu Ala His 1000
Ser	Arg	Ser 940	Tyr	Glγ	Glu	Leu
Gly	Arg	Lys	G1u 955	Asp	Ser	Asp
Ser	Leu	Thr Lys	Leu	Asn 970	Tyr	Ala
Ser 905	Ala	Phe '	Lys	Ser	Ser 985	Pro
Arg	Asn 920	Asn	Ala	Ser	G1 u	Tyr 100
Ser Gln Glu Asp Arg Ser 900	Thr Asp Glu Arg Asn 920	Tyr Asn 935	Tyr	Val	Ile Glu	Gln
Glu	Glu		Pro 950	Ser	Ser	Gly
Gln	Asp	Ser Asn Thr	Met	Asn 965	Lys Pro Ser 980	Tyr
Ser 900	Thr	Ser	Ser Met	Leu	Lys 980	
Thr	Val 915	His	Cys	Ser	Met	Cys 995
His	Cys	Thr 930	Thr	Asn Asp	Gly Gln Met	Lys Phe
Ile	His	His	Arg 945	Asn	Gly	Lys

FIG. 3J

Pro	Ser Leu Lys Tyr Ser Asp Glu Gln Leu Asn Ser Gly Arg 1030	Ile	Ser	Lys	Ser	Arg Gly Ala Asn Gly Ser Glu Thr Asn Arg Val Gly Ser Asn His Gly 1105
Thr	Gly	Ile 1055	Gln	Leu	Arg	His
Asp	Ser	His	Asn 1070	His	Tyr .	Asn
Leu	Asn	Lys	Arg	Lys 1085	Pro	Ser
Glu 1020	Leu	Pro	Ser	Asp	Ser 1100	31y :
Gly	Gln 1035	Arg	Gln	Asp .	Val	Val (
Asp	Glu	er Gln Asn Glu Arg Trp Ala Arg Pro Lys His Ile Ile 1045	Arg	Pro Val Tyr Thr Glu Ser Thr Asp Asp Lys His Leu Lys 1080	His Phe Gly Gln Glu Cys Val Ser Pro Tyr Arg Ser 1095	Arg
Asn	Asp	Trp	Gln 1065	Ser	Glu	Asn 7
Asp	Ser	Arg	Glu	Glu 1080	Gln	rhr)
Asp 1015	Tyr	Glu	Ser	Thr	Gln 1095	31u
Met	Lys 1030	Asn	Gln	Tyr	Gly	Ser (1110
His	Leu	Gln 1045	Lys	Val	Phe (Gly
Asn	Ser	Ser	Ile 1060	Pro	His	Asn (
Ala)		Pro	Glu	Tyr 1075	Pro	Ala J
His Ser Ala Asn His Met Asp Asp Asn Asp Gly Glu Leu Asp Thr Pro 1010	Ile Asn Tyr 1025		Asp	Thr Tyr F 1075	31n 1090	Gly i
His	Ile 1025	Gln Ser	Glu Asp Glu Ile Lys Gln Ser Glu Gln Arg Gln Ser Arg Asn Gln Ser 1060	Thr	Phe (Arg (1105
						•

FIG. 3K

Ile Asn Gln Asn Val Ser Gln Ser Leu Cys Gln Glu Asp Asp Tyr Glu 1135

Asp Asp Lys Pro Thr Asn Tyr Ser Glu Arg Tyr Ser Glu Glu Glu Gln 1140

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His Glu Glu Glu Arg Pro Thr Asn Tyr Ser Ile Lys Tyr Asn Glu 1155

Glu Lys Arg His Val Asp Gln Pro Ile Asp Tyr Ser Leu Lys Tyr Ala 1170

Thr Asp Ile Pro Ser Ser Gln Lys Gln Ser Phe Ser Phe Ser Lys Ser 1195

Ser Glu Ser Gly Gln Ser Ser Lys Thr Glu His Met Ser Ser Ser 1205

Asn Thr Ser Thr Pro Ser Ser Asn Ala Lys Arg Gln Asn Gln Leu His

nghherts . Illess

FIG. 3L

1280 His Pro Arg Thr Lys Ser Ser Arg Leu Gln Gly Ser Ser Leu Ser Ser 1330 Ser Ser Ala Glu Asp Glu Ile Gly Cys Asn Gln Thr Thr Gln Glu Ala 1295 Asp Ser Ala Asn Thr Leu Gln Ile Ala Glu Ile Lys Gly Lys Ile Gly 1300 Thr Arg Ser Ala Glu Asp Pro Val Ser Glu Val Pro Ala Val Ser Gln Glu Asp Thr Pro Ile Cys Phe Ser Arg Cys Ser Ser Leu Ser Ser Leu 1276 Cys Lys Val Ser Ser Ile Asn Gln Glu Thr Ile Gln Thr Tyr Cys Val 1250 Ser Ala Gln Ser Arg Ser Gly Gln Pro Gln Lys Ala Ala Thr 1235 1320 Pro Ser

oghtphis . 1111ss

FIG. 3M

1440 1360 Asp Ser Pro Gly Gln Thr Met Pro Pro Ser Arg Ser Lys Thr Pro Pro 1425 Pro Pro Pro Gln Thr Ala Gln Thr Lys Arg Glu Val Pro Lys Asn Lys 1450 Cys Ser Gly Met Val Ser Gly Ile Ile Ser Pro Ser Asp Leu Pro 1410 Pro Ser Lys Ser Gly Ala Gln Thr Pro Lys Ser Pro Glu His Tyr 1375 Leu Asp Ser Phe Glu Ser Arg Ser Ile Ala Ser Ser Val Gln Ser Glu Glu Ser Ala Arg His Lys Ala Val Glu Phe Pro Ser Gly Ala Lys Ser 1345 Gln Glu Thr Pro Leu Met Phe Ser Arg Cys Thr Ser Val Ser 1380 1405 1400 1395 Pro Val

FIG. 3N

Ala Glu Lys Thr Ile Asp Ser Glu Lys Asp Leu Leu Asp Asp Ser Asp 1555 Glu Leu Arg Ile Met Pro Pro Val Gln Glu Asn Asp Asn Gly Asn Glu Thr Glu Ser Glu Gln Pro Lys Glu Ser Asn Glu Asn Gln Glu Lys Glu Asn Ala Ala Val Gln Arg Val Gln Val Leu Pro Asp Ala Asp Thr Leu 1475 Ser Leu Ser Ala Leu Ser Leu Asp Glu Pro Phe Ile Gln Lys Asp Val Ser Ala Pro Thr Ala Glu Lys Arg Glu Ser Gly Pro Lys Gln Ala Ala Val 1460 Leu His Phe Ala Thr Glu Ser Thr Pro Asp Gly Phe Ser Cys Ser 1490 1515 1530 1510 1525 1540

FIG. 30

<u>o</u>	000	s/	e.	S S	e L	ln 680
Pr	16	Γ. 5	집	<u>ά</u>	Š	ь П
Met	Ser	Tyr 161	Ser	Thr	Glu	Ala
Ala	Ala	Val	Val 1630	Gly	Ile	Gly
Ser	Thr	Pro	His	Glu 1645	Thr)	Gly
Ile 1580	Gln	Leu	Lys	Val	Leu 1660	Arg
Ile Glu Ile Leu Glu Glu Cys Ile Ile Ser Ala Met Pro 1575	Ser Arg Lys Gly Lys Lys Pro Ala Gln Thr Ala Ser Lys 1590	Pro Val Ala Arg Lys Pro Ser Gln Leu Pro Val Tyr Lys 1605	Ser Gln Asn Arg Leu Gln Pro Gln Lys His Val Ser Phe 1620	Cys	Ser Thr Ala Thr Ser Leu Ser Asp Leu Thr Ile Glu Ser 1655	Glu Leu Ala Ala Gly Glu Gly Val Arg Gly Gly Ala Gln 1670
Cys	Pro	Ser 1610	Pro	Tyr	Ser	Gly
Glu	Lys	Pro	Gln 1625	Val	Leu	Glu
Glu	Lys	Lys	Leu	Arg 1640	Ser	Gly
Leu 1575	Gly	Arg	Arg	Pro	Thr 1655	Ala)
Ile	Lys 1590	Ala	Asn	Met	Ala	Ala 167(
G] u	Arg	Val 1605	Gln	Asp	Thr	Leu
Ile	Ser	Pro	Ser 1620	Asp	Ser	Glu
	Ser	Pro	Pro	G1y 1635	Phe)	Pro Asn
Asp 1570	Lys		Leu	Thr Pro Gly Asp Asp Met Pro Arg Val Tyr Cys Val Glu Gly Thr Pro 1635	Ile Asn 1650	יח
Asp Asp Asp 1570	Thr . 1585	Leu Pro	Leu	Thr	Ile	Pro 1665

FIG. 3P

1760 Lys Pro Ile Pro Gln Asn Thr Glu Tyr Arg Thr Arg Val Arg Lys Asn 1780 Lys Ile Met Asp Gln Val Gln Gln Ala Ser Ala Ser Ser Ala Pro Asn Lys Asn Gln Leu Asp Gly Lys Lys Lys Lys Pro Thr Ser Pro Val Asn Ser Ala Met Pro Lys Gly Lys Ser His Lys Pro Phe Arg Val Lys Leu Asp Asp Asn Lys Ala Glu Glu Gly Asp Ile Leu Ala Glu Cys Ile Thr Asp Glu Ala Gln Gly Gly Lys Thr Ser Ser Val Thr Ile Pro Glu Ser Gly Glu Phe Glu Lys Arg Asp Thr Ile Pro Thr Glu Gly Arg Ser

FIG. 30

Asp Leu Ser Arg Glu Lys Ala Glu Leu Arg Lys Ala Lys Glu Asn Lys 1875 Ser Glu Ala Lys Val Thr Ser His Thr Glu Leu Thr Ser Asn Gln Asp Ser Pro His His Tyr Thr Pro Ile Glu Gly Thr Pro Tyr Cys Phe 1845 Ser Arg Asn Asp Ser Leu Ser Ser Leu Asp Phe Asp Asp Asp Val Ala Asp Ser Lys Asn Asn Leu Asn Ala Glu Arg Val Phe Ser Asp Asn 1795 Lys Asp Ser Lys Lys Gln Asn Leu Lys Asn Asn Ser Lys Asp Phe Asn Asp Lys Leu Pro Asn Asn Glu Asp Arg Val Arg Gly Ser Phe Ala Phe 1825 1900 1820 1865 1815 1860 1890 1810 Glu

FIG. 3R

2000 Gln Ser Ala Asn Lys Thr Gln Ala Ile Ala Lys Gln Pro Ile Asn Arg 1905 Lys Pro Gln Ala Ser Gly Tyr Ala Pro Lys Ser Phe His Val Glu Asp 2015 Glu Pro Ile Lys Glu Thr Glu Pro Pro Asp Ser Gln Gly Glu Pro Ser Leu Ser Ser Leu Ser Asp Ile Asp Gln Glu Asn Asn Lys Glu Asn 1970 Gly Gln Pro Lys Pro Ile Leu Gln Lys Gln Ser Thr Phe Pro Gln Ser Ser Lys Asp Ile Pro Asp Arg Gly Ala Ala Thr Asp Glu Lys Leu Gln 1940 Asn Phe Ala Ile Glu Asn Thr Pro Val Cys Phe Ser His Asn Ser Ser 1995 1930 1960 1990 1925 1940

FIG. 3S

Φ	0	អូ	n 80	អូ	겁	ø
T I	Pr	Se	Le 20	Se	S	A
Ser	Met	His	Asp	Asp 209	Ile)	Gln
Leu 2030	Ala	Lys	Leu	Pro	Ser 211(Arg
Ser	Ser 2045	Glu	Thr	Ser	Asn	Ser 2
Ser	Ser	Asn 2060	Leu	Leu	Ala	Leu
Leu	Ile	Asp	Asp 2075	Gly	Gly	Cys
Ser	Cys	Gly	Glu	His 2090	Glu	Ala
Ser 2025	Glu	Lys	Gly	Glu	Gln 2105	Ala
Asn	p Asp Leu Leu Gln Glu Cys Ile Ser Ser Ala Met Pro 2040	Leu	Leu	Gln Arg Pro Asp Ser Glu His Gly Leu Ser Pro Asp Ser 2085	Ile	Ala 2 2120
Arg	Leu	Arg 2055	Ile	Asp	Ala	Ala
Ser	Leu	Ser	G1y 2070	Pro	Lys	Ala
Phe	Asp	Pro	Glγ	Arg 2085	$\operatorname{Trp}_{\mathfrak{I}}$	Gln
Cys Phe Ser Arg Asn Ser Ser Leu Ser Leu Ser Ile 2020	Asp	Lys	Arg Asn Met Gly Gly Ile Leu Gly Glu Asp Leu Thr Leu Asp Leu 2070	Gln	Asp Trp Lys Ala Ile Gln Glu Gly Ala Asn Ser Ile Val 2100	Leu His Gln Ala Ala Ala Ala Cys Leu Ser Arg Gln Ala 2115
Val	Glu Asi 2035	Lys)	Asn	Ile	Phe	Leu 2115
Pro Val	Ser	Lys Lys Lys Lys Pro Ser Arg Leu Lys Gly Asp Asn Glu Lys His Ser 2050	Arg	Lys Asp	Asn	Ser
Thr	Asp	Lys	Pro 7	Lys	Glu	Ser

FIG. 3T

Leu	Phe His Leu Thr Pro Asp Gln Glu Glu Lys Pro Phe Thr 2150	Leu	Lys	Glu	I.le	Arg Thr Met Ile His Ile Pro Gly Val Arg Asn Ser Ser 2230
Ser	Phe	Thr 2175	Gly	Ser	Ser	Ser
Ile	Pro	Ser	G1y 2190	Asn	Pro	Asn
Ser Asp Ser Ile Leu Ser Leu Lys Ser Gly Ile Ser Leu 2135	Lys	Gly Pro Arg Ile Leu Lys Pro Gly Glu Lys Ser Thr Leu 2165	Lys Ile Glu Ser Glu Ser Lys Gly Ile Lys Gly Gly Lys 2180	Lys Ser Leu Ile Thr Gly Lys Val Arg Ser Asn Ser Glu 2200	Gln Met Lys Gln Pro Leu Gln Ala Asn Met Pro Ser Ile 2215	Arg
Ser 2140	Glu	Glu	Ile	Arg	Asn 222(Val
Lys	Glu 2155	Gly	Gly	Val	Ala	G1y 223
Leu	Gln	Pro 2170	Lys	Lys	Gln	Pro
Ser	Asp	Lys	Ser 218	G1y)	Leu	Ile
Leu	Pro	Leu	Glu	Thr 2200	Pro	His
11e 2135	Thr	Ile	Ser	Ile	Gln 221	Ile
Ser	Leu 2150	Arg	Glu	Leu	Lys	Met 3
Asp	His	Pro 2165	Ile	Ser	Met	Thr
Ser	Phe	Glγ		Lys		Arg
Ser Asp 2130	Pro	Lys	Lys	Tyr . 2195	G1y 0	Arg Gly
	Ser	Asn Lys	Thr	Lys Val	Ser 221(
Ser	Gly 3	Ser	Glu	Lys	Ile	Ser 2225

FIG. 3U

Pro	Arg	Gln	Ser	r Pro Ser Arg Pro Ala Gln Gln Pro Leu Ser Arg Pro 2310	Ile	Ser
Thr 2255	Pro	Arg	Gly	Arg	G1y 2335	Pro
Lys	Ser 2270	Ala	Ser	Ser	Asn	Ser 2350
r Pro Val Ser Lys Lys Gly Pro Pro Leu Lys Thr Pro 2245	Ser Pro Ser Glu Gly Gln Thr Ala Thr Thr Ser Pro Arg 2260	o Ser Val Lys Ser Glu Leu Ser Pro Val Ala Arg Gln 2280	e Gly Gly Ser Ser Lys Ala Pro Ser Arg Ser Gly Ser 2295	Leu	Pro Gly Arg Asn Ser Ile Ser Pro Gly Arg Asn Gly Ile 2325	n Lys Leu Ser Gln Leu Pro Arg Thr Ser Ser Pro Ser 140
Pro	Thr	Pro	Ser 230(Pro	Gly	Thr
Pro	Ala	Ser	Pro	Gln 2319	Pro 0	Arg
G1y 2250	Thr	Leu	Ala	Gln	Ser 233(Pro 5
Lys	Gln 226	Glu)	Lys	Ala	Ile	Leu 1 2345
Lys	G1y	Ser 228(Ser	Pro	Ser	Gln
Ser	Glu	Lys	Ser 2299	Arg)	Asn	Ser
Val	Ser	Val	Gly	Ser 231(Arg 5	Leu
Pro 2245	Pro	Ser	Gly	Pro	G1y 232!	Lys 0
Ser	Ser 226(Pr	I	Th		As 23
Thr	Lys	Lys 2275	Gln J	Ser	Ser	Pro
Ser	Ser	Gly Ala	Ser (2290	Asp 5	Gln	Pro
Ser	Ala	Gly	Thr	Arg / 2305	Ile	Ser

FIG. 3V

		0				
Ser	Leu	G1y 240(Leu	Ser	Pro	Ser
ľhr	Gly	Lys	Glu 2415	Arg	Ala	Glu
ľyr	rhr	Ser	Val	Asp 2430	Glu	Phe
Ser 7 2365	Gln '	Ala	Гуз	Ser	Lys 2445	Ser
r Lys Ser Ser Gly Ser Gly Lys Met Ser Tyr Thr Ser 2365	n Met Ser Gln Gln Asn Leu Thr Lys Gln Thr Gly Leu 2375	a Ser Ser Ile Pro Arg Ser Glu Ser Ala Ser Lys Gly. 2390	Gln Met Asn Asn Gly Asn Gly Ala Asn Lys Lys Val Glu Leu 2405	Ser Ser Thr Lys Ser Ser Gly Ser Glu Ser Asp Arg Ser 2420	Val Leu Val Arg Gln Ser Thr Phe Ile Lys Glu Ala Pro 2440	Leu Arg Arg Lys Leu Glu Glu Ser Ala Ser Phe Glu Ser 2455
Lys]	Thr	Glu 2395	Asn	Ser	Phe	Ser
Gly	Leu	Ser	Ala 2410	Gly	Thr	Glu
Ser	Asn	Arg	Gly	Ser 2425	Ser	Glu
G1y 2360	Gln	Pro	Asn	Ser	Gln 2440	Leu
Ser	Gln 2375	116	Gly	Гуѕ	Arg	Lys 2455
Ser	Ser	Ser 2390	Asn	Thr	Val	Arg
Lys	Met	Ser	Asn 2405	Ser	Leu	Arg
걉	Gln	Ala	Met	Ser 2420	Val	Leu
Ser ' 2355	Arg	Asn	Gln		Pro 7 2435	Thr
	Gly Arg 2370	Lys Asn	Asn	Ser Arg Met	Glu Arg	Pro
Thr Ala	Pro	Ser . 2385	Leu	Ser	Glu	Ser

FIG. 3W

r Ser Arg Pro Ala Ser Pro Thr Arg Ser Gln Ala Gln 2470	His	Ser	Ile	Ser	Ser Ser Leu Pro Arg 2555	Ala
Ala	Ser Pro Ser Leu Pro Asp Met Ser Leu Ser Thr His 2485	Gln Ala Gly Gly Trp Arg Lys Leu Pro Pro Asn Leu Ser 2500	Glu Tyr Asn Asp Gly Arg Pro Ala Lys Arg His Asp Ile 2520	Pro Ile Asn Arg Ser 2540	Pro	Ser Ser Ser Ile Leu Ser Ala 2570
Gln	Ser	Asn 2510	His	Asn	Leu	Leu
Ser	Leu	Pro	Arg 2525	Ile	Ser	Ile
Arg	Ser	Pro	Lys	Pro 254(Ser	Ser
Thr 2475	Met	Leu	Ala	Leu	Ser 2555	Ser
Pro	Asp 2490	Lys	Pro	Arg	His	Ser 2570
Ser	Pro	Arg 2505	Arg	Ser	Lys	Ser
Ala	Leu	Trp	G1y 2520	Ser Pro Ser Arg Leu 2535	Trp Lys Arg Glu His Ser Lys His 2550	p Arg Arg Thr Gly Ser 2565
Pro	Ser	$Gl\mathtt{y}$	Asp	Ser 2535	His	Thr
Arg 2470	Pro	Gly	Asn	Glu	Glu] 2550	Arg
Ser	Ser 2485	Ala	Tyr	s Ser Glu	Arg	Arg 1 2565
Ser	Leu	Gln 2500	Glu	His	Lys	Trp
Pro	Val	Val	Ile (2515	Ser	Trp	Thr
Ser	Pro	Ser	Thr	Arg 2530	Thr	Ser
Leu 2465	Thr	Ser	Pro	Ala Arg 8 2530	G1y 2545	Val

FIG. 3X

Ser Ser Glu Ser Ser Glu Lys Ala Lys Ser Glu Asp Glu Lys His Val 2580 Asn Ser Ile Ser Gly Thr Lys Gln Ser Lys Glu Asn Gln Val Ser Ala 2595 Lys Gly Thr Trp Arg Lys Ile Lys Glu Asn Glu Phe Ser Pro Thr Asn Ser Thr Ser Gln Thr Val Ser Ser Gly Ala Thr Asn Gly Ala Glu Ser 2625 2640 Lys Thr Leu Ile Tyr Gln Met Ala Pro Ala Val Ser Lys Thr Glu Asp 2650 Val Trp Val Arg Ile Glu Asp Cys Pro Ile Asn Asn Pro Arg Ser Gly Pro Thr Gly Asn Thr Pro Pro Val Ile Asp Ser Val Ser Glu 2675 2670 2605 2620 2665 2615 Arg Ser

FIG. 3V

Gln	Asn 2720	Thr	Asn	Ser	Phe	Ala 2800
Lys	Glu	G1y 2735	Thr	Ser	Pro	Ser
Ala	Leu	Lys	Glu 2750	Ser	Thr	Thr
Gln)	б1у	Gln	Ser	Ser 2765	Val	Ser
Lys Ala Asn Pro Asn Ile Lys Asp Ser Lys Asp Asn Gln Ala Lys Gln 2690	Gly Asn Gly Ser Val Pro Met Arg Thr Val Gly Leu Glu Asn 2710	Phe Ile Gln Val Asp Ala Pro Asp Gln Lys Gly Thr 2725	Pro Gly Gln Asn Asn Pro Val Pro Val Ser Glu Thr Asn 2740	Ile Val Glu Arg Thr Pro Phe Ser Ser Ser Ser Ser 2760	Ser Pro Ser Gly Thr Val Ala Ala Arg Val Thr Pro Phe 2775	Pro Ser Pro Arg Lys Ser Ser Ala Asp Ser Thr Ser Ala 2790
Asp	Thr 2715	Pro)	Pro	Ser	Ala	Ala 2795
Lys	Arg	Ala 2730	Val	Phe	Ala	Ser
Ser	Met	Asp	Pro 2745	Pro)	Val	Ser
Asp	Pro	Val	Asn	Thr 2760	Thr	Lys
Lys 2695	Val	Gln	Asn	Arg	G1y 2775	Arg
Ile	Ser 271(11e	Gln	Glu	Ser	Pro 2790
Asn	Gly	Phe 2725	G1y)	Val	Pro	Ser
Pro	Asn	Ser	Pro 274(Ile	Ser	Pro
Asn O		Thr	Ile Lys	Pro 2755	Ser	Asn
Ala 269(Val 5	Arg Leu		Ser	His 2770	Asn Tyr Asn 2785
Lys	Asn 2705	Arg	Glu	Glu	Lys	Asn 2785

FIG. 3Z

 $S^{*}(\mathcal{A},\mathcal{G})$

Arg Pro Ser Gln Ile Pro Thr Pro Val Asn Asn Asn Thr Lys Lys Arg 2815 Pro Lys Ser 1 2830 Gln Ser Gly Ser Val Ser 5 2825 Leu Val Thr 2840 Glu \mathtt{Thr} Ser Gly Ser Tyr 2835 Ser Thr Asp 2820 Ser His Asp

RIROL 233	•	PTSPL 606
LGTCODMEKRAORRIARIOGIEKDILRIROL		LTGAKGLOLRALRRIARIEOGGTAISPTSPL
203		276
APC		RAL2

453 MKLSFDEEHRHAMNELGGLOAIAELLOVD :
53 MKLSFDEEHRH

FIG. 5

L5.79

No.

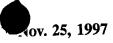
55	ACG	Thr 109	GAG	Glu	163	AAC	Asn	217	$_{ m TTC}$	Phe	271	TAC	Tyr	325	CTG	Len	379	ATC	Ile	433	TGG	Trp	487	ATC	Ile	541	LI.	Leu	
	GAG	Glu	CAC	His		\mathtt{GTG}	Val		\mathtt{GTG}	Val		၁၁၅	Ala		${ m TGG}$	Trp		GAT	Asp		\mathtt{TTG}	Len		ATC	Ile	(GAC	Asp	
	299	Gly	CTG	Leu		ပ္ပင္ပ	Gly		CTG	Leu		CCA	Pro		CAG	Gln		TCL	Ser		CTG	Len		ပ္ပဗ္ဗ	Arg		AAG	Lys	
	GGN	Gly	TTC	Phe		ACC	Thr		TAC	Tyr		TAC	$\mathbf{T}\mathbf{y}\mathbf{r}$	3	ACC	Thr		$\mathbf{T}\mathbf{T}\mathbf{C}$	Phe		$\mathbf{T}\mathbf{T}\mathbf{C}$	Phe		AAG	Lys		GTC	Val	
	ဗ္ဗ	Pro	555	Arg	•	AAA	Lys		TTG	Leu		299	Gly	ı	GAT	Asp		TTC	Phe		ပ္ပရ္သ	Gly	•	TAC	Tyr		GTG	Val	
	ပ္ပင္သ	Ala	GAC	Asp	•	ပ္ပပ္ပ	Ala		၁၁၁	Ala	•	TTT	Phe		GAT	Asp	I	GAA	Glu		\mathtt{TGT}	Cys		CIC	Len		AGT	Ser	
	ACA	Thr	TIC	Phe		GAG	Glu		GTG	Val		GGA	Gly	ı	GAA	Gla		GCT	Ala		AAG	Lys		CTG	Len		GAC	Asp	
	GGA	Gly	AGG	Arg	١	CIC	Leu		CTG	Leu		ATA	Ile		AAA	Lys)	ATT	Ile		CTG	Leu		GAA	Glu		ATG	MET	
	CTA	Leu	GAG	Glu		AAG	Lys	ļ	GGA	Gly	ı	CTG	Leu		AAC	Asn		AGC	Ser		ATG	MET		GCT	Ala		CAG		
ς α	GCA	Ala 82	AGG	Arg	136	ပ္ပပ္ပ	Ala	190	ATC	Ile	244	AAC	Asn	298	ပ္ပ	Pro	352	TTC	Phe	406	TAC	Tyr	460	වුවු	Gly	514	TCC	Ser	
	၅၁၁	Pro	ATG	MET		CTG	Leu		GTC	Val		TGC	CVS	•	AGT	Ser		GTG	Val		TAC	Tyr		AAT	Asn		GAG	G]n	
	TAT	Tyr	ညည	Ala		CTT	Leu		GGT	Gly	•	CTC	Leu)	GAG	Glu	÷	GGT	Gly	1	TTC	Phe		TCT	Ser		CAC	His	
	GTC	Val	909	Ala		GAC	Asp	•	CTT	Leu	! !	CTC	Leu	} }	ATA	Ile		TAT	Tyr	ŧ	သသ	Pro		CCT	Pro		AAG	Lys	
	CCA	Pro	TCT	S	t))	ACT	Thr		GCT	Ala		TCT	Ser		GCT	Ala		GTG	Val		TIC	Phe	1	AGC	Ser		CTG	Leu	
	GCT	Ala	ATG	MET	1	ATG	MET		ATC	Tle) 	SCC	Ala	! !	AAA	LVS	•	GTA			TGG	Tro	4	၅၁၁	Pro		TIC	Phe	
	SCC	Ala) (1	TGC	CVS	7	TTC	Phe) :	GGA	ָל ט	7 †	ATT	Ile) 	TGG	Tro	4	TCA	Ser	!) }	ညဗ	Ala		TTC	Phe	
	CTC	Val	رر	0 t	- - -	AAC	Asn		AGC	79.7		ΨАТ	377	+ % +	TCA	Ser	! }	TAC	TVL	7	CTG	Len	}		MET		CCT	Pro	
	4	Ala) ר ניני	่ง ว	AAG	LVS	7	AGG	Ara	11 A	LUC'S	ָל בָּל	775	ATC	1) 1		Thr		THU	שלם	;	TGC	CVS	7	CGT	Arg	1

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	AAG	Ala Lys Lys	AGA		069	GAGCTTGATG	760	TATTAAAGAT	830	AAACTTAATG	006	TGTTGCTATC	970	GCTCTCCTG	1040	ACAATTTAT	1110	GACTACANCA	1180	ACAGTAAGAC	1250	AAATACGTGA	1320	CGTAGTATAT	1390
	AAA	Thr Lys Glu	ACC TAA ACC	Thr	089	CTTCCTACTG	750	ATTTTTGAGA	820	GGAGCACTTT	890	AAAAGATGTA	096	ACTTTACTGG	1030	CCTRTAATGT	1100	GTTACTGTCT	1170	TAACTTCTGT	1240	ATACTTTAGG	1310	TGGTTGTTTC	1380
œ	GCC ATC	Ala Ile	AAG AGC	Lys Ser	670	CICICIGIAC	740	CCTTGGAAAC	810	STATATATA	880	POPUL COLUMNICA	950	上が上が上がせる人	10201	はいるようなようなない	1090	ATATGGAAAT	1160	GTGTCATTTA	1230	CTACTAAATA	1300	GAGATTGGCC	1370
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	TCC AAA GAG	Ser Lys Glu	TTA CTG GGT			CTGGATGGAA	720	TAATTATTT	790		TILICOLLIACI		THEFT	DOWNERS	AAATAAA11		ACALLIAGGR	上が上げる 中が上々	1140	*************************************	1210	DACCATTGTG	1280	GTGAGA	
	AAA GAC AAG TCC AAA GAG	Lys Asp Lys	שאה השה אשת	Val	1	CTAAACCAGA	710	GACTGTGGTA	7	08/	TGTAAGTTTC	008	TGTCCACGTT	026	TATAAACITA	086	CICIGIAGIT		0211	りたけいの世代の日	DOGE OCGE	OOZT OOZT	1270	S A A C A A C A C A A A A A A A A A A A	1340

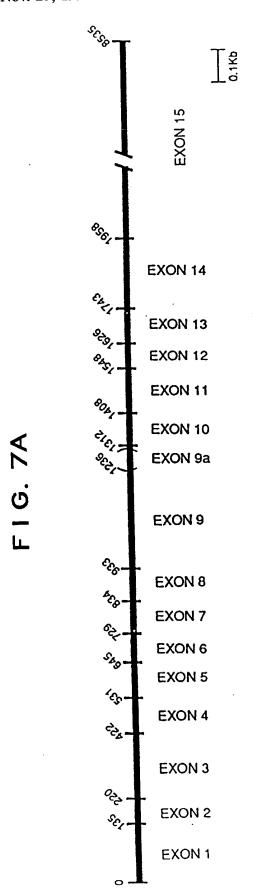
F/G. 6C

AGTT AGTTAGTTAC TCACTCTAGT GATAAATCGC GAAATTTACAA 1430 1440 1450 1450 1470 1500 1510 1520 1530 1540 1570 1580 1590 1610 1610 1570 1580 1590 1610 1680 1570 1650 1670 1680 1680 1570 1720 1730 1680 1680 1710 1720 1730 1740 1750 1780 1780 180 1820 1820 1780 1780 180 1820 1820 1780 1780 180 1820 1820 1780 1860 1870 1890 1890 1850 1860 1870 1890 1890 1920 1930 1870 1880 1890 1920 1930 1840 2020 2030 2000 2000 2020	2200 2210 2220 2230 2230 2240 ATAT TAAAGATATC AATACTAAGT GACAGTATCA CNNCTAATAT
GCAGTTAGTT 1430 CACACACACA 1500 ACTGTCTTAT 1570 TTTTATCTTC 1710 CTAATGCCAAT 1850 CCTAGTTTAC 1950 GCTTGGCAAT 1850 CTGCACAKGA 2060 TTAAACTAGA	2200 TNAANAATAT
GCTTTATAAA 1420 CACACACACA 1490 AACTAGTAAT 1560 CCATTTCTGG 1700 CAACAACTT 1840 AAGAGGCTTC 1910 TGTTGATAAG 1910 TGTTGATAAG 1980 CTGCCAANTC 2050 TCCTTTTGAA	2190 TCTCATGATG
TACCAGGATA 1410 CACACACACA 1480 TTCCTGAAA 1550 ACANTGGAMN 1620 TTCTTTTTA 1690 GTATCATKAG 1760 TATARAGTMN 1930 GGTCAAACAC 1970 CTCCATTGAT 2040 CTGTTAAGAG CAGCCAGTAC	2180 2180



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2320	2330	2340		A D O TO TO TO A GA	TTAAAAAAT	TTTAAGTAWC
CTTTGTAGAA	AGCAAACAAA	ATTGTTCTTG			2440	2450
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	TAAATCCTTT	TCCCAT	AAAAGIACAG		2510	2520
	2470		0647 0647	ひかられる 中々 ないな		ATGAGGAGGT
FH	ATAGACTATA	TAATCA	GACAGCATAI	2570		2590
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ATGCAATTTT	TTTTTGTTCC	CTTGAGACCA	AAATTTAAGI		2720	2730
2670	2680	2690	0017		AAATGA	CTGCCTTGGC
THAACAGCAG	GAGAAG	GAATTG	GTTCTCTTG	OSCC WINDIN	2790	2800
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ACAGCTGAAG	AAAATG	CACCCTTCA	ACTGTTATCA	CCTATCCTGA	3070	
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3090			で ない かんじん もっ へ	CCCATTGAGC	TANCCTATAT	ATACATCTCT
CATGTTGTGG	TTTAAACAGC	AACTGCACCC	ACTAGCACAG			
3160						
GTCAGTGCCC	CIC					

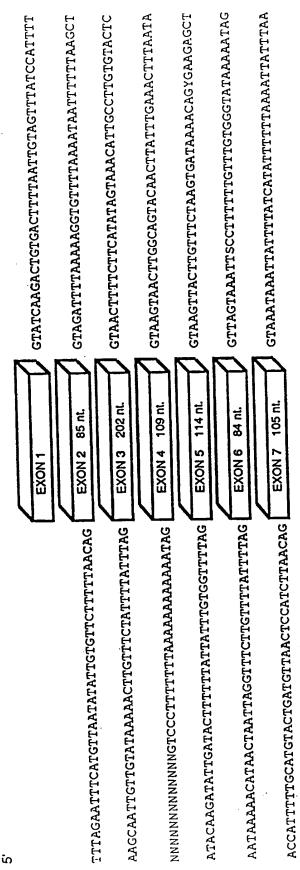




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Sheet 39 of 40

FIG. 7B-1





F16. 7B-2

	EXON 8 99 nt. GTAACAGAAGATTACAAAC	GTAACAGAAGATTAÇAAACCCTGGTCACTAATGCCATGAC	
TAGTCTAAATTATACCATCTATAATGTGCTTAATTTTTAG		A STATE OF SECTION CONTRACTOR AND A SECTION OF SECTION	
- STATE COLOR AND THE GOOD AND CHEAT THE GOOD AND C	EXON 9 379 nt. CTATGTTCTCTAIAGIGIA		,
TARAGICGIRALILIGITICARAGICG		GTAAGACAAAATGITTTTAATGACATAGACAATTACTG	
ATAACAAAGCATTATGTTTATGTTTTTTTTTTTCAG	EXON 10 96 nt.		
THE TRANSPORTED TO THE TRANSPORT	EXON 11 140 nt GIATGTTTTATAACATGT	GIATGITITIATAACATGTATTTCTTAAGALAGCICAGGI	
CKCKEEEKKEEEKTEEKTIT	EXON 12 78 nt. GTACTATTAGAATTTCAC	GTACTATTTAGAATTTCACCTGTTTTTTTTTTTTTTTTT	
TGNCTTTTAAATGATCCTCTATTCTGTATTTAATTTACAG		A STATE OF THE STATE OF STATES AND THE STATES AND T	
ATTTTATGTATAAATTAATCTAAAATTGATTAATTTCCAG	EXON 13 117 n. GIACCIII GASSASCALIA		
CTTACTTACTAG	EXON 14 215 nl GTATATATAGAGTTTTATA	GTATATATAGAGTTTTATATTACTTTTAAA GTACAGAATT	
CCAACTCNAATTAGALGACCCAAAAACACACACACACACACACACACACACA			
ATTGTGACCTTAATTTTGTGATCTCTTGATTTTATTTCAG	EXON 15		